

Title (en)
POWER CONTROL SYSTEM

Title (de)
LEISTUNGSSTEUERUNGSSYSTEM

Title (fr)
SYSTÈME DE COMMANDE D'ÉNERGIE

Publication
EP 2701265 A1 20140226 (EN)

Application
EP 12774045 A 20120417

Priority
• JP 2011094727 A 20110421
• JP 2012060351 W 20120417

Abstract (en)
To provide a power control system which evaluates an applied control pattern over a period of a certain length or more, so as to be used for the subsequent control with a configuration in which a discharge start time and output of an electric storage device are changed. The power control system includes measurement means (7) for measuring a power generation amount of a solar power generator (4) and a power consumption; power price-setting means (23) for setting a power price and a purchase price; control pattern storage means (24) for storing a plurality of control patterns with a discharge start time and a magnitude of output of a power storage device (5) as variable factors; electric power charge calculation means (31) for calculating an electric power charge of each of the control patterns with a measurement value measured in a past calculation period and the power price; control pattern selection means (32) for selecting one control pattern by evaluating a calculation value with a predetermined standard; and a controller (1) which performs control in accordance with the selected control pattern.

IPC 8 full level
H02J 3/46 (2006.01); **G06Q 50/06** (2012.01); **H02J 3/00** (2006.01); **H02J 7/35** (2006.01)

CPC (source: EP KR US)
G06Q 30/0283 (2013.01 - EP KR US); **G06Q 50/06** (2013.01 - EP KR US); **H02J 3/00** (2013.01 - EP US); **H02J 3/14** (2013.01 - EP KR US); **H02J 3/32** (2013.01 - EP KR US); **H02J 3/381** (2013.01 - EP KR US); **H02J 3/46** (2013.01 - KR); **H02J 7/35** (2013.01 - EP KR US); **H02J 2300/24** (2020.01 - EP KR US); **H02J 2310/14** (2020.01 - EP KR); **H02J 2310/64** (2020.01 - EP KR US); **Y02B 10/10** (2013.01 - EP KR US); **Y02B 70/3225** (2013.01 - US); **Y02E 10/56** (2013.01 - EP US); **Y02E 70/30** (2013.01 - EP US); **Y04S 20/222** (2013.01 - US); **Y04S 50/10** (2013.01 - EP); **Y04S 50/14** (2013.01 - EP US)

Citation (third parties)
Third party :
US 7783389 B2 20100824 - YAMADA KAZUO [JP], et al

Cited by
CN105226729A; GB2551287A; GB2551287B; WO2016135508A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2701265 A1 20140226; **EP 2701265 A4 20141217**; **EP 2701265 B1 20160622**; CN 103493326 A 20140101; CN 103493326 B 20141001; JP 2012228103 A 20121115; JP 2012228175 A 20121115; JP 2012231675 A 20121122; JP 5075290 B2 20121121; JP 5232266 B2 20130710; JP 5740364 B2 20150624; KR 101420072 B1 20140717; KR 20130133093 A 20131205; US 2014035374 A1 20140206; US 8860253 B2 20141014; WO 2012144491 A1 20121026

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EP 12774045 A 20120417; CN 201280019550 A 20120417; JP 2011094727 A 20110421; JP 2012060351 W 20120417; JP 2012149107 A 20120703; JP 2012181050 A 20120817; KR 20137030477 A 20120417; US 201214112100 A 20120417